

SOLAR RADIO NOISE STORM AT 150.9 MHZ

FROM NANÇAY RADIOHELIOGRAPH

MAY 2012

| | HELIOPHOTOGRAPHIC POSITIONS MEAN VALUES ¹ | | IMP ² | OBSERVING TIME ³ | |
|----------|---|-------|------------------|-----------------------------|---------|
| DAY | E-W | S-N | | START(UT) | END(UT) |
| 01/05/12 | +0.38 | -0.58 | I | 08H18 E | 15H18 D |
| 04/05/12 | -1.48 | +0.19 | I | 08H18 E | 15H17 D |
| 05/05/12 | -1.50 | +0.42 | I | 08H18 E | 15H18 D |
| 05/05/12 | +0.42 | -0.45 | I | 08H18 E | 12H28 |
| 06/05/12 | -1.36 | +0.36 | I | 08H18 E | 15H18 D |
| 07/05/12 | -1.19 | +0.34 | I | 08H43 E | 15H18 D |
| 08/05/12 | -1.12 | +0.29 | I | 08H18 E | 15H17 D |
| 08/05/12 | -0.66 | +0.31 | I | 10H27 | 15H17 D |
| 09/05/12 | -0.33 | +0.29 | IV | 08H18 E | 15H17 D |
| 10/05/12 | -0.60 | +0.22 | II | 08H18 E | 15H17 D |
| 10/05/12 | -0.06 | +0.25 | I | 08H23 E | 15H17 D |
| 10/05/12 | +0.02 | -0.21 | I | 08H23 E | 15H17 D |
| 11/05/12 | -0.28 | +0.20 | II | 08H18 E | 15H17 D |
| 11/05/12 | +0.29 | +0.37 | II | 08H18 E | 15H17 D |
| 12/05/12 | +0.54 | +0.34 | II | 08H18 E | 15H17 D |
| 13/05/12 | +0.80 | +0.33 | I | 08H18 E | 10H55 D |
| 14/05/12 | +0.79 | -0.41 | I | 08H20 E | 15H18 D |
| 15/05/12 | -0.68 | +0.24 | I | 11H01 | 15H17 D |
| 16/05/12 | -0.81 | +0.19 | I | 08H18 E | 15H17 D |
| 16/05/12 | +1.22 | +0.07 | I | 08H18 E | 15H17 D |
| 17/05/12 | -0.42 | +0.17 | I | 08H18 E | 15H17 D |
| 17/05/12 | +1.34 | +0.38 | I | 08H18 E | 11H09 |

¹ POSITIVE E-W AND S-N COORDINATES CORRESPOND TO THE N-W QUADRANT

² IMP1: FLUX<5 SFU IMP2: 5<FLUX < 20 SFU IMP3: 20<FLUX <100 SFU

IMP4: 100< FLUX <300 SFU IMP5> 300 SFU

³ E NOISE STORM IN PROGRESS AT THE BEGINNING OF THE NANÇAY OBSERVATIONS

D NOISE STORM IN PROGRESS AT THE END OF THE NANÇAY OBSERVATIONS

| | | | | | |
|----------|-------|-------|-----|---------|---------|
| 17/05/12 | +0.27 | +0.24 | I | 13H29 | 15H17 D |
| 18/05/12 | -0.27 | +0.15 | II | 08H19 E | 12H26 D |
| 18/05/12 | +0.18 | +0.38 | II | 08H19 E | 12H26 D |
| 19/05/12 | -0.12 | +0.25 | I | 08H18 E | 15H17 D |
| 21/05/12 | +0.51 | +0.29 | I | 08H22 E | 15H17 D |
| 22/05/12 | +0.61 | +0.11 | I | 08H18 E | 15H17 D |
| 26/05/12 | -1.11 | -0.12 | I | 08H19 E | 15H18 D |
| 27/05/12 | -1.05 | -0.12 | II | 08H19 E | 15H18 D |
| 27/05/12 | -0.57 | +0.04 | I | 11H24 | 15H18 D |
| 28/05/12 | -0.74 | +0.05 | II | 08H20 E | 15H18 D |
| 29/05/12 | -0.75 | -0.21 | III | 08H19 E | 15H19 D |
| 30/05/12 | -0.44 | -0.24 | II | 08H21 E | 15H19 D |
| 31/05/12 | -0.13 | -0.19 | I | 08H19 E | 15H18 D |

**SOLAR RADIO NOISE STORM AT 327 MHZ
FROM NANÇAY RADIOHELIOGRAPH**

MAY 2012

| | HELIOPHYSICS POSITIONS MEAN VALUES ¹ | | IMP ² | OBSERVING TIME ³ | |
|----------|--|-------|------------------|-----------------------------|------------|
| | DAY | E-W | | S-N | START(UT) |
| 01/05/12 | -0.83 | -0.28 | I | 08H18 E | 15H18 D |
| 01/05/12 | +0.21 | +0.27 | I | 08H18 E | 15H18 D |
| 04/05/12 | +0.12 | -0.31 | I | 08H18 E | 15H17 D |
| 05/05/12 | -1.18 | +0.38 | I | 08H18 E | 15H18 D |
| 05/05/12 | +0.42 | -0.41 | I | 08H18 E | 15H18 D |
| 06/05/12 | -1.12 | +0.38 | I | 08H18 E | 15H18 D |
| 06/05/12 | +0.67 | -0.43 | I | 08H18 E | 11H18 |
| 07/05/12 | -1.08 | +0.32 | I | 08H43 E | 15H18 D |
| 07/05/12 | -1.03 | +0.48 | I | 08H43 E | 15H18 D |
| 08/05/12 | -0.92 | +0.27 | I | 08H18 E | 15H17 D |

| | | | | | |
|----------|-------|-------|-----|---------|---------|
| 08/05/12 | -0.53 | +0.22 | I | 08H18 E | 15H17 D |
| 09/05/12 | -0.29 | +0.21 | II | 08H18 E | 15H17 D |
| 09/05/12 | -0.27 | +0.19 | II | 08H18 E | 15H17 D |
| 10/05/12 | -0.04 | +0.27 | III | 08H23 E | 15H17 D |
| 11/05/12 | +0.21 | +0.31 | II | 08H18 E | 15H17 D |
| 12/05/12 | +0.42 | +0.39 | I | 08H18 E | 15H17 D |
| 13/05/12 | +0.60 | +0.32 | I | 08H18 E | 15H18 D |
| 14/05/12 | -0.68 | +0.15 | I | 08H20 E | 15H17 D |
| 14/05/12 | +0.79 | +0.31 | I | 08H20 E | 15H17 D |
| 15/05/12 | -0.47 | +0.17 | I | 08H18 E | 15H17 D |
| 16/05/12 | -0.28 | +0.25 | I | 08H18 E | 15H17 D |
| 16/05/12 | +1.13 | +0.21 | I | 08H18 E | 15H17 D |
| 17/05/12 | -0.65 | +0.21 | I | 08H18 E | 15H17 D |
| 17/05/12 | -0.44 | +0.17 | I | 08H18 E | 15H17 D |
| 17/05/12 | -0.01 | +0.28 | I | 08H18 E | 15H17 D |
| 17/05/12 | +1.22 | +0.17 | I | 08H18 E | 12H58 |
| 18/05/12 | -0.41 | +0.23 | I | 08H19 E | 12H26 D |
| 18/05/12 | -0.20 | +0.16 | I | 08H19 E | 12H26 D |
| 18/05/12 | +0.19 | +0.27 | I | 08H19 E | 12H26 D |
| 18/05/12 | +1.23 | +0.12 | I | 08H19 E | 12H26 D |
| 19/05/12 | -0.22 | +0.18 | I | 08H18 E | 15H17 D |
| 19/05/12 | +0.04 | +0.23 | I | 08H18 E | 15H17 D |
| 20/05/12 | +0.70 | +0.26 | I | 08H18 E | 15H17 D |
| 21/05/12 | +0.45 | +0.21 | I | 08H22 E | 15H18 D |
| 21/05/12 | +0.91 | +0.29 | I | 08H22 E | 15H18 D |
| 22/05/12 | -0.27 | +0.31 | I | 08H18 E | 12H08 |
| 22/05/12 | +0.78 | +0.14 | I | 08H18 E | 15H17 D |
| 23/05/12 | +0.66 | +0.16 | I | 08H43 E | 15H18 D |
| 24/05/12 | +0.87 | +0.25 | I | 08H19 E | 15H18 D |
| 25/05/12 | -1.14 | +0.21 | I | 08H10 E | 15H18 D |
| 26/05/12 | -1.09 | -0.19 | I | 08H19 E | 15H18 D |
| 27/05/12 | -0.92 | -0.29 | II | 08H19 E | 15H18 D |
| 27/05/12 | -0.54 | -0.19 | I | 11H16 | 15H18 D |
| 28/05/12 | -0.73 | -0.29 | I | 08H20 E | 15H18 D |
| 29/05/12 | -0.55 | -0.28 | I | 08H19 E | 15H19 D |
| 29/05/12 | -0.11 | -0.27 | I | 08H19 E | 15H19 D |
| 30/05/12 | -0.41 | -0.25 | I | 08H21 E | 15H19 D |
| 31/05/12 | -0.13 | -0.19 | I | 08H19 E | 15H18 D |

OTHERS DAYS: NO DETECTABLE NOISE STORM

- For the days marked by an asterisk, intense ionospheric gravity waves are observed during the whole day. Without a mode detailed analysis leadind to increase uncertainties in the deviation , the positions which are indicated are estimated within 0.2 R

** Following a large burst

*** importance not well determined due to the proximity off the very strong other source

**** no flux measurements available